RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/522,086
Source: PCT
Date Processed by STIC: 2-2-05

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PCT

RAW SEQUENCE LISTING DATE: 02/02/2005
PATENT APPLICATION: **US/10/522,086** TIME: 15:43:06

Input Set : **A:\14875-138US1.txt**
Output Set: **N:\CRF4\02022005\J522086.raw**

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      3 <110> APPLICANT: Koga , Takaki
      4       Suzuki, Tsukasa
      5       Saito, Hiroyuki
      7 <120> TITLE OF INVENTION: NON-NEUTRALIZING ANTI-aPC ANTIBODIES
      9 <130> FILE REFERENCE: 14875-138US1
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/522,086
C--> 11 <141> CURRENT FILING DATE: 2005-01-21
     11 <150> PRIOR APPLICATION NUMBER: PCT/JP2003/009087
     12 <151> PRIOR FILING DATE: 2003-07-17
     14 <150> PRIOR APPLICATION NUMBER: JP 2002-212582
     15 <151> PRIOR FILING DATE: 2002-07-22
     17 <160> NUMBER OF SEQ ID NOS: 34
     19 <170> SOFTWARE: PatentIn version 3.1
     21 <210> SEQ ID NO: 1
     22 <211> LENGTH: 117
     23 <212> TYPE: PRT
     24 <213> ORGANISM: Mus musculus
     26 <400> SEQUENCE: 1
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     31 Ser Val Lys Leu Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asp Ser
     32             20                  25                  30
     34 Tyr Met Asn Trp Val Lys Gln Arg Thr Gly Gln Gly Leu Glu Trp Ile
     35         35                  40                  45
     37 Gly Glu Val Tyr Pro Glu Thr Gly Asn Ser Tyr Tyr Asn Glu Lys Phe
     38     50                  55                  60
     40 Lys Gly Lys Ala Thr Leu Thr Ala Asp Arg Ser Ser Lys Thr Ala Tyr
     41 65                  70                  75                  80
     43 Met Gln Leu Asn Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Phe Cys
     44                 85                  90                  95
     46 Thr Arg Gly Gly Thr Gly Phe Asp Tyr Trp Gly Gln Gly Thr Thr Leu
     47             100                 105                 110
     49 Thr Val Ser Ser Ala
     50         115
     53 <210> SEQ ID NO: 2
     54 <211> LENGTH: 121
     55 <212> TYPE: PRT
     56 <213> ORGANISM: Mus musculus
     58 <400> SEQUENCE: 2
     60 Gln Val Gln Leu Gln Gln Ser Gly Pro Glu Leu Val Lys Pro Gly Ala
     61 1               5                  10                  15
     63 Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Ala Phe Ser Ser Ser
     64             20                  25                  30
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(pg. 6)

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Input Set : A:\14875-138US1.txt
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66 Trp Met Asn Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile
67         35                  40                  45
69 Gly Arg Ile Tyr Pro Gly Asp Gly Asp Thr Asn Tyr Asn Gly Lys Phe
70     50                  55                  60
72 Arg Gly Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Ser Thr Ala Tyr
73 65                  70                  75                  80
75 Met Gln Leu Thr Ser Leu Thr Ser Val Asp Ser Ala Val Tyr Phe Cys
76                 85                  90                  95
78 Ala Arg Trp Gly Ile Thr Thr Ala Ala Trp Phe Ala Tyr Trp Gly Gln
79             100                 105                 110
81 Gly Thr Leu Val Thr Val Ser Ala Ala
82         115                 120
85 <210> SEQ ID NO: 3
86 <211> LENGTH: 116
87 <212> TYPE: PRT
88 <213> ORGANISM: Mus musculus
90 <400> SEQUENCE: 3
92 Gln Ile Gln Leu Val Gln Ser Gly Pro Glu Leu Glu Lys Pro Gly Glu
93 1               5                  10                  15
95 Thr Val Arg Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asp Tyr
96             20                  25                  30
98 Ser Leu His Trp Val Lys Gln Ala Pro Gly Lys Gly Leu Lys Trp Met
99         35                  40                  45
101 Gly Trp Ile Asn Thr Glu Thr Gly Glu Pro Thr Tyr Ala Asp Asp Leu
102     50                  55                  60
104 Lys Gly Arg Phe Ala Phe Ser Leu Glu Thr Ser Ala Thr Thr Ala Tyr
105 65                  70                  75                  80
107 Leu Gln Ile Asn Asn Leu Lys Asn Glu Asp Thr Ala Thr Tyr Phe Cys
108                 85                  90                  95
110 Ala Arg Gly Ile Thr Leu Asp Tyr Trp Gly Gln Gly Thr Ser Leu Thr
111             100                 105                 110
113 Val Ser Ser Ala
114         115
117 <210> SEQ ID NO: 4
118 <211> LENGTH: 121
119 <212> TYPE: PRT
120 <213> ORGANISM: Mus musculus
122 <400> SEQUENCE: 4
124 Gln Val Gln Leu Gln Gln Ser Gly Ser Glu Val Val Lys Pro Gly Ala
125 1               5                  10                  15
127 Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Ala Phe Ser Arg Ser
128             20                  25                  30
130 Trp Met Asn Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile
131         35                  40                  45
133 Gly Arg Ile Tyr Pro Gly Asp Gly Asp Ser Ile Tyr Asn Gly Lys Phe
134     50                  55                  60
136 Lys Gly Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Thr Thr Ala Tyr
137 65                  70                  75                  80
139 Met His Leu Asn Ser Leu Thr Ser Val Asp Ser Ala Val Tyr Phe Cys
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PATENT APPLICATION: US/10/522,086 TIME: 15:43:06

Input Set : A:\14875-138US1.txt
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```
140                 85                  90                  95
142 Ala Arg Trp Gly Ser Ser Gly Ser Ser Trp Phe Ala Tyr Trp Gly Gln
143             100                 105                 110
145 Gly Thr Leu Val Thr Val Ser Ala Ala
146         115                 120
149 <210> SEQ ID NO: 5
150 <211> LENGTH: 108
151 <212> TYPE: PRT
152 <213> ORGANISM: Mus musculus
154 <400> SEQUENCE: 5
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157 1               5                   10                  15
159 Glu Arg Val Thr Met Thr Cys Thr Ala Ser Ser Ser Val Ser Ser Ser
160             20                  25                  30
162 Tyr Leu His Trp Tyr Gln Gln Lys Pro Gly Ser Ser Pro Lys Ala Trp
163         35                  40                  45
165 Ile Tyr Ser Thr Ser Asn Leu Ala Ser Gly Ala Pro Thr Arg Phe Ser
166     50                  55                  60
168 Gly Ser Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Ser Met Glu
169 65                  70                  75                  80
171 Ala Glu Asp Ala Ala Thr Tyr Tyr Cys His Gln Tyr His Arg Ser Pro
172                 85                  90                  95
174 Phe Thr Phe Gly Ser Gly Thr Lys Leu Glu Ile Lys
175             100                 105
178 <210> SEQ ID NO: 6
179 <211> LENGTH: 107
180 <212> TYPE: PRT
181 <213> ORGANISM: Mus musculus
183 <400> SEQUENCE: 6
185 Asp Ile Gln Met Thr Gln Ser Pro Ala Ser Leu Ser Ala Ser Val Gly
186 1               5                   10                  15
188 Glu Thr Val Thr Ile Thr Cys Arg Thr Ser Glu Asn Ile Tyr Ser Tyr
189             20                  25                  30
191 Leu Ala Trp Tyr Gln Gln Lys Gln Gly Lys Ser Pro Gln Leu Leu Val
192         35                  40                  45
194 Asn Asn Ala Lys Thr Leu Ala Glu Gly Val Pro Ser Arg Phe Ser Gly
195     50                  55                  60
197 Ser Gly Ser Gly Thr Gln Phe Ser Leu Lys Ile Asn Ser Leu Gln Pro
198 65                  70                  75                  80
200 Glu Asp Phe Gly Thr Tyr Tyr Cys Gln His Tyr Tyr Gly Thr Pro Pro
201                 85                  90                  95
203 Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
204             100                 105
207 <210> SEQ ID NO: 7
208 <211> LENGTH: 113
209 <212> TYPE: PRT
210 <213> ORGANISM: Mus musculus
212 <400> SEQUENCE: 7
214 Asp Asn Val Met Ser Gln Ser Pro Ser Ser Leu Ala Val Ser Val Gly
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PATENT APPLICATION: US/10/522,086 TIME: 15:43:06

Input Set : A:\14875-138US1.txt
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```
215 1               5                   10                  15
217 Glu Lys Val Thr Met Ser Cys Lys Ser Ser Gln Ser Leu Leu Ser Ser
218             20                  25                  30
220 Ser Asn Gln Lys Asn Phe Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
221         35                  40                  45
223 Ser Pro Lys Leu Leu Ile Ser Trp Ala Ser Thr Arg His Ser Gly Val
224     50                  55                  60
226 Pro Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
227 65                  70                  75                  80
229 Ile Ser Ser Val Asn Ala Glu Asp Leu Ala Val Tyr Tyr Cys Gln Gln
230                 85                  90                  95
232 Tyr Tyr Arg Tyr Pro Leu Thr Phe Gly Ala Gly Thr Lys Leu Glu Leu
233             100                 105                 110
235 Lys
239 <210> SEQ ID NO: 8
240 <211> LENGTH: 107
241 <212> TYPE: PRT
242 <213> ORGANISM: Mus musculus
244 <400> SEQUENCE: 8
246 Asp Ile Gln Met Thr Gln Ser Pro Ala Ser Leu Ser Ala Ser Met Gly
247 1               5                   10                  15
249 Glu Thr Val Thr Ile Thr Cys Arg Thr Ser Glu Asn Ile Tyr Ser Tyr
250             20                  25                  30
252 Leu Ala Trp Tyr Arg Gln Lys Gln Gly Lys Ser Pro Gln Leu Leu Val
253         35                  40                  45
255 Tyr Asn Ala Lys Thr Leu Ala Glu Gly Val Pro Ser Arg Phe Ser Gly
256     50                  55                  60
258 Ser Gly Ser Gly Thr Gln Phe Ser Leu Arg Ile Asn Ser Leu Gln Pro
259 65                  70                  75                  80
261 Glu Asp Phe Gly Ser Tyr Phe Cys Gln His Tyr Tyr Gly Ser Pro Tyr
262                 85                  90                  95
264 Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
265             100                 105
268 <210> SEQ ID NO: 9
269 <211> LENGTH: 5
270 <212> TYPE: PRT
271 <213> ORGANISM: Mus musculus
273 <400> SEQUENCE: 9
275 Asp Ser Tyr Met Asn
276 1               5
279 <210> SEQ ID NO: 10
280 <211> LENGTH: 17
281 <212> TYPE: PRT
282 <213> ORGANISM: Mus musculus
284 <400> SEQUENCE: 10
286 Glu Val Tyr Pro Glu Thr Gly Asn Ser Tyr Tyr Asn Glu Lys Phe Lys
287 1               5                   10                  15
289 Gly
293 <210> SEQ ID NO: 11
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RAW SEQUENCE LISTING DATE: 02/02/2005
PATENT APPLICATION: US/10/522,086 TIME: 15:43:06

Input Set : A:\14875-138US1.txt
Output Set: N:\CRF4\02022005\J522086.raw

294 <211> LENGTH: 7
295 <212> TYPE: PRT
296 <213> ORGANISM: Mus musculus
298 <400> SEQUENCE: 11
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301 1 5
304 <210> SEQ ID NO: 12
305 <211> LENGTH: 5
306 <212> TYPE: PRT
307 <213> ORGANISM: Mus musculus
309 <400> SEQUENCE: 12
311 Ser Ser Trp Met Asn
312 1 5
315 <210> SEQ ID NO: 13
316 <211> LENGTH: 17
317 <212> TYPE: PRT
318 <213> ORGANISM: Mus musculus
320 <400> SEQUENCE: 13
322 Arg Ile Tyr Pro Gly Asp Gly Asp Thr Asn Tyr Asn Gly Lys Phe Arg
323 1 5 10 15
325 Gly
329 <210> SEQ ID NO: 14
330 <211> LENGTH: 11
331 <212> TYPE: PRT
332 <213> ORGANISM: Mus musculus
334 <400> SEQUENCE: 14
336 Trp Gly Ile Thr Thr Ala Ala Trp Phe Ala Tyr
337 1 5 10
340 <210> SEQ ID NO: 15
341 <211> LENGTH: 5
342 <212> TYPE: PRT
343 <213> ORGANISM: Mus musculus
345 <400> SEQUENCE: 15
347 Asp Tyr Ser Leu His
348 1 5
351 <210> SEQ ID NO: 16
352 <211> LENGTH: 17
353 <212> TYPE: PRT
354 <213> ORGANISM: Mus musculus
356 <400> SEQUENCE: 16
358 Trp Ile Asn Thr Glu Thr Gly Glu Pro Thr Tyr Ala Asp Asp Leu Lys
359 1 5 10 15
361 Gly
365 <210> SEQ ID NO: 17
366 <211> LENGTH: 6
367 <212> TYPE: PRT
368 <213> ORGANISM: Mus musculus
370 <400> SEQUENCE: 17
372 Gly Ile Thr Leu Asp Tyr

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 02/02/2005
PATENT APPLICATION: **US/10/522,086** TIME: 15:43:07

Input Set : **A:\14875-138US1.txt**
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Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:31; Xaa Pos. 1
Seq#:32; Xaa Pos. 9,10,16
Seq#:33; Xaa Pos. 3,4,5,6,7
Seq#:34; Xaa Pos. 4,6

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:31,32,33,34

VERIFICATION SUMMARY DATE: 02/02/2005
PATENT APPLICATION: **US/10/522,086** TIME: 15:43:07

Input Set : **A:\14875-138US1.txt**
Output Set: **N:\CRF4\02022005\J522086.raw**

L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:541 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0
L:570 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
L:612 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0
L:636 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0